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RAW SEQUENCE LISTING   DATE: 09/19/2000
PATENT APPLICATION.   US/09/653,182   TIME: 17:29:53

Input Set : A:\PTO.txt
Output Set: N:\CRF3\09202000\I653182.raw

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    4  <110> APPLICANT: Paul D. Robbins
    5         Zhibao Mi
    6         Raymond Frizzell
    7         Joseph C. Glorioso
    8         Andrea Gambotto
   10  <120> TITLE OF INVENTION: IDENTIFICATION OF PEPTIDES THAT FACILITATE
   11         UPTAKE AND CYTOPLASMIC AND/OR NUCLEAR TRANSPORT
   12         OF PROTEINS, DNA AND VIRUSES
   15  <130> FILE REFERENCE: AP325-3-A-A
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   18  <151> PRIOR FILING DATE: 1969-09-01
   20  <150> PRIOR APPLICATION NUMBER: 09/148,911
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   23  <160> NUMBER OF SEQ ID NOS: 75
   25  <170> SOFTWARE: FastSEQ for Windows Version 3.0
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   38  <211> LENGTH: 12
   39  <212> TYPE: PRT
   40  <213> ORGANISM: Artificial Sequence
   42  <220> FEATURE:
   43  <223> OTHER INFORMATION: random peptide library
   45  <400> SEQUENCE: 1
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   42  <213> ORGANISM: Artificial Sequence
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   47  <400> SEQUENCE: 2
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   56  <213> ORGANISM: Artificial Sequence
   58  <220> FEATURE:
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   67  <211> LENGTH: 12
   68  <212> TYPE: PRT
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68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: random peptide library
73 <400> SEQUENCE: 4
74 Pro Ile Arg Arg Arg Lys Lys Leu Arg Arg Leu Lys
75 1   5   10
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 12
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: random peptide library
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86 Arg Arg Gln Arg Arg Thr Ser Lys Leu Met Lys Arg
87 1   5   10
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 12
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: random peptide library
97 <400> SEQUENCE: 6
98 Met His Lys Arg Pro Thr Thr Pro Ser Arg Lys Met
99 1   5   10
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 12
103 <212> TYPE: PRT
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: random peptide library
109 <400> SEQUENCE: 7
111 Arg Gln Arg Ser Arg Arg Arg Pro Leu Asn Ile Arg
112 1   5   10
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 12
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: random peptide library
122 <400> SEQUENCE: 8
123 Arg Ile Arg Met Ile Gln Asn Leu Ile Lys Lys Thr
124 1   5   10
126 <210> SEQ ID NO: 9
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128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: random peptide library
134 <400> SEQUENCE: 9

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PATENT APPLICATION: US/09/653,182   TIME: 1 29 59

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Input Set : A:\PTO.txt
Output Set: N:\CRF3\09202000\1653182.raw
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141 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: random peptide library
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147   Gln Arg Ile Arg Lys Ser Lys Ile Ser Arg Thr Leu
148    1               5                  10
150 <210> SEQ ID NO: 11
151 <211> LENGTH: 12
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: random peptide library
158 <400> SEQUENCE: 11
159   Pro Ser Lys Arg Leu Leu His Asn Asn Leu Arg Arg
160    1               5                  10
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 12
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: random peptide library
171 <400> SEQUENCE: 12
172   His Arg His Ile Arg Arg Gln Ser Leu Ile Met Leu
173    1               5                  10
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 12
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: random peptide library
183 <400> SEQUENCE: 13
184   Pro Gln Asn Arg Leu Gln Ile Arg Arg His Ser Lys
185    1               5                  10
187 <210> SEQ ID NO: 14
188 <211> LENGTH: 12
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: random peptide library
195 <400> SEQUENCE: 14
196   Pro Pro His Asn Arg Ile Gln Arg Arg Leu Asn Met
197    1               5                  10
199 <210> SEQ ID NO: 15
200 <211> LENGTH: 12
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Input Set : A:\PTO.txt
Output Set: N:\CRF3\09202000\I653182.raw

201 <212> TYPE: PRT
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205 <223> OTHER INFORMATION: random peptide library
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209   1   5   10
211 <210> SEQ ID NO: 16
212 <211> LENGTH: 12
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
218 <223> OTHER INFORMATION: random peptide library
220 <400> SEQUENCE: 16
222 Gly Ser Arg His Pro Ser Leu Ile Ile Pro Arg Gln
223   1   5   10
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225 <211> LENGTH: 12
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227 <213> ORGANISM: Artificial Sequence
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230 <223> OTHER INFORMATION: random peptide library
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232 Ser Pro Met Gln Lys Thr Met Asn Leu Pro Pro Met
233   1   5   10
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237 <211> LENGTH: 12
238 <212> TYPE: PRT
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241 <220> FEATURE:
242 <223> OTHER INFORMATION: random peptide library
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245 Asn Lys Arg Ile Leu Ile Arg Ile Met Thr Arg Pro
246   1   5   10
248 <210> SEQ ID NO: 19
249 <211> LENGTH: 15
250 <212> TYPE: PRT
251 <213> ORGANISM: unarranged a
253 <400> SEQUENCE: 19
253 Arg Gln Ile Lys Ile Trp Ile Gln Asn Arg Arg Met Lys Trp Lys Lys
255   1   5   10   15
256 <210> SEQ ID NO: 20
258 <211> LENGTH: 12
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: random peptide library
265 <400> SEQUENCE: 20
266 Ala His Pro Leu Gln His Gly Ser Asp Lys Ala Thr

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Input Set : A:\PTO.txt
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269  <210> SEQ ID NO: 21
270  <211> LENGTH: 11
272  <212> TYPE: PRT
273  <213> ORGANISM: human
275  <400> SEQUENCE: 21
276  Tyr Gly Arg Leu Lys Arg Arg Gln Arg Arg Arg
277    1              5                10
279  <210> SEQ ID NO: 22
280  <211> LENGTH: 7
281  <212> TYPE: PRT
282  <213> ORGANISM: Artificial Sequence
284  <220> FEATURE:
285  <223> OTHER INFORMATION: random peptide library
287  <400> SEQUENCE: 22
288  Lys Leu Ala Lys Leu Ala Lys
289    1
291  <210> SEQ ID NO: 23
292  <211> LENGTH: 14
293  <212> TYPE: PRT
294  <213> ORGANISM: Artificial Sequence
296  <220> FEATURE:
297  <223> OTHER INFORMATION: random peptide library
299  <400> SEQUENCE: 23
300  Lys Leu Ala Lys Leu Ala Lys Lys Leu Ala Lys Leu Ala Lys
301    1              5                10
303  <210> SEQ ID NO: 24
304  <211> LENGTH: 28
305  <212> TYPE: PRT
306  <213> ORGANISM: Artificial Sequence
308  <220> FEATURE:
309  <223> OTHER INFORMATION: random peptide library
411  <400> SEQUENCE: 24
412  Arg Arg Gln Arg Arg Thr Ser Lys Leu Met Lys Arg Gly Gly Lys Leu
413    1              5                10               15
414  Ala Lys Leu Ala Lys Lys Leu Ala Lys Leu Ala Lys
415                 20               25
417  <210> SEQ ID NO: 25
418  <211> LENGTH: 11
419  <212> TYPE: PRT
420  <213> ORGANISM: Artificial Sequence
422  <220> FEATURE:
424  <223> OTHER INFORMATION: random peptide library
426  <400> SEQUENCE: 25
427  His Gly Trp Gln Ile His Gln Leu Leu His Arg Ala
428    1              5                10
430  <210> SEQ ID NO: 26
431  <211> LENGTH: 11
433  <212> TYPE: PRT
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VERIFICATION SUMMARY   DATE: 09/20/2000
PATENT APPLICATION: US/09/653,182   TIME:

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L:1 M:210 C: Current Application Number differs. Replaced Current Application No
L:1 M:211 C: Current Filing Date differs. Replaced Current Filing Date